

The Tech

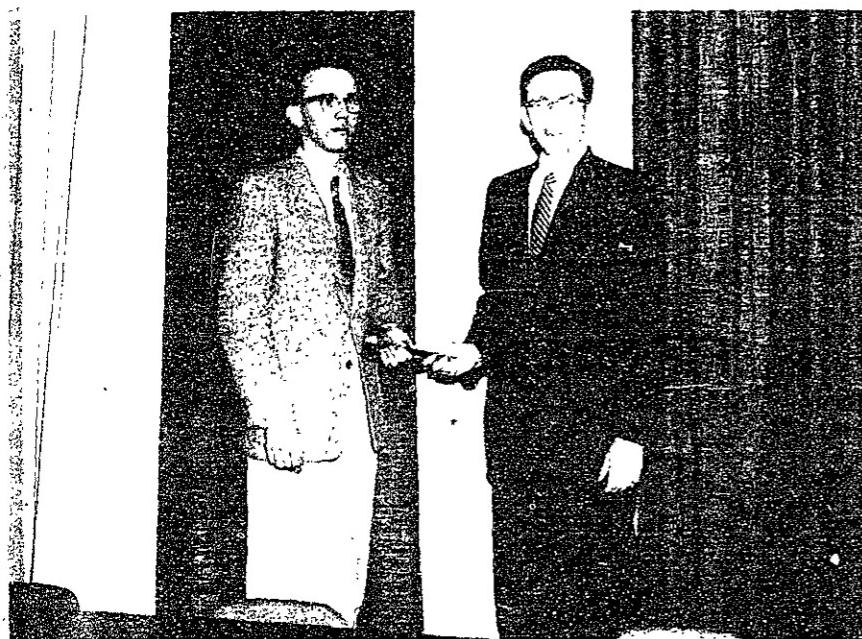
NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVIII NO. 11

CAMBRIDGE, MASSACHUSETTS, TUESDAY, MARCH 18, 1958

5 CENTS

Inscomm Angered by PRC Report; Mueller Calls Teaching Here Inadequate; Stephenson Takes Gavel for Year Urges Greater Non-Research Emphasis



A smiling Gerry Stephenson receives the president's gavel from outgoing UAP Arnie Amstutz. The ceremony, which took place at 10:25 P.M. last Thursday, symbolized the formal transfer of power in the Undergraduate Association to Stephenson.

The 1957-58 Institute Committee completed its term of office and handed its authority to the new Committee at 10:25 p.m. last Thursday. This last meeting was occupied with finishing old business, committee reports, elections and nominations.

Year-end reports were given by the various subcommittees. The longest was that of Public Relations Committee, whose twelve pages exceeded the length of even UAP Amstutz's own report. A part of the report, entitled "Something Blue", attached several operations of the Finance Committee, charging that "the committee met one persistent drag in the conduction of its activities . . . this came in the form of the Finance Committee."

Inscomm members severely criticized this part of the report. The report was finally accepted with a provision stating that the passages criticizing Finance Committee did not meet with official approval.

The new chairman of the Institute Judicial Committee is Eugene Zoba '59. He declined to present a final Judcom report, saying that several outstanding cases still had to be cleared up. These cases involve people caught carrying gasoline during the East Campus riots last Sunday night.

Inscomm also nominated new members of the subcommittee and the

Dormconns Still Vow To Choose Their Own Delegates to Inscomm

The majority of dormitory opinion is still opposed to seating the house presidents on Institute Committee. At last Thursday's Inscomm meeting, the presidents of East Campus and Baker House were present, while Burton House was represented by a proxy.

Otis Bryant '59, president of Baker House, said after the meeting: "I will accept this seat only until it is changed, and I intend to get it changed." Adul Pinsuvana '59, East Campus president, introduced a motion which will provide that each dormitory may be represented by its president or a qualified delegate selected by the house.

At this point, Bryant is the only house president completely opposed to holding a seat on Inscomm. In previous statements, Pinsuvana and Al Busford '59, Burton House president, expressed their willingness to sit on Inscomm as part of their duties.

However, the East Campus House Committee recently voted against having their president on Inscomm. The only Committee member who disagreed with this opinion was Adul Pinsuvana.

Finance Board, and received Amstutz's year-end report. The last business was a resolution made by Toni Deutsch '58, congratulating Amstutz for a job well done. They then adjourned and allowed the new Inscomm to take its seats. Twenty-five people got up from the table, and less than ten took their seats as new members. Two out of every three seats around the table were empty as the new Inscomm held its first, short meeting.

President's Report

The memorandum from Dean Rule, evaluating the respective powers of student government and the Dean's office, is included on page six of Amstutz's report. The report itself describes the course of events in Inscomm during the past year, and makes a few recommendations for the future.

One suggestion calls for student counselors in the dormitories, and for funds to continue the "Freshman Student Study" begun this year. Amstutz is largely concerned about the

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Medical Uses for Reactor Subject Of Symposium, Kresge Wed. Night

The Institute's long awaited nuclear reactor, the first in New England, will be the subject of a symposium on "Clinical Uses of Nuclear Reactors" to be held in Kresge Auditorium tomorrow night.

One principal speaker at the symposium, which will be held in the Little Theater at 8:00 p.m., will be Dr. Joseph S. Mitchell, Regis Professor of Physics at Cambridge University, England. Dr. Mitchell, who is currently giving the Dunham Lectures at Harvard Medical School, will discuss the "Use of a Nuclear Reactor in Modern Medicine."

Other speakers will be Dr. Belton Burrows, Assistant Professor of Medicine, Boston University Medical School, who will talk on "Short-Lived Isotopes," and Dr. William Sweet, Associate Professor of Surgery, Harvard Medical School, who will discuss "Nuclear Reactors for Therapy of Brain Tumors."

The reactor will be especially useful for the new treatment of brain cancer developed by Dr. Sweet and Dr. Gordon L. Brownell, head of the Physics Research Laboratory at Massachusetts General Hospital and Assistant Professor of Nuclear Engineering here.

The reactor, which is one of the few in the world designed for medical use, will have a medical therapy room located beneath the reactor itself. This therapy room, which will be a

Corporation Elects George Humphrey

The election of George R. Humphrey as a life member of the MIT Corporation was announced by the Presidents Office, Monday. He was elected at the Corporation meeting of March 3, and will be officially installed in June.

Mr. Humphrey, former secretary of the Treasury in the Eisenhower Administration, now resides in Wokington Falls, Georgia, where he entertained President Eisenhower recently on a hunting expedition which received considerable coverage in the press.

He is currently vice president and board chairman of the M.A. Hanna Company of Cleveland, which recently acquired control of the Del Rey mine near Rio de Janeiro, Brazil, one of the richest sources of both gold and iron ore in the Americas.

completely equipped operating room, has been designed to serve all medical organizations in the immediate area and to be adequate for all applications which can now be foreseen for neutron and gamma ray therapy. Since the therapy room is designed as an operating room, irradiation of patients immediately after surgery will be possible.

The reactor will also be used to produce radioactive tracer elements for medical use in the New England area. For the first time, short-lived isotopes, which lose their radioactivity when transported over any distance, will be available in the Northeast to help in the study and diagnosis of disease.

The symposium, which is open to the public, will be concluded with a panel discussion on the clinical uses of nuclear reactors, under the chairmanship of Dr. Arthur Solomon, Associate Professor of Biophysics, Harvard Medical School.

Panel participants, in addition to the speakers and Dr. Brownell, will include: Dr. Shields Warren, professor of Pathology, Harvard Medical School; Dr. William Moloney, Clinical Professor of Medicine, Tufts University; and Dr. Gordon G. Trump, Professor of Electrical Engineering here.

The symposium is being sponsored by the Reactor Biomedical Advisory Committee and will be opened by Dr. Manson Benedict.

A respected teacher has launched a vigorous attack against the entire teaching system at the Institute. Hans Mueller, Professor of Physics and a member of the Department for over thirty years, stressed to a Burton House audience, Sunday, his dissatisfaction with quizzes, subject matter, poor instruction, oversize classes, and overemphasis of research rather than teaching.

Professor Mueller spoke at the monthly Burton House Egghead Seminar before an informal audience of nearly a hundred residents. Despite his criticisms, he was genial throughout, punctuating his remarks with frequent anecdotes which brought continuous laughter from his audience.

Hood is Foiled in Holdup Attempt In East Campus Monday Morning

An East Campus resident was nearly robbed by an armed hoodlum at 1:15 a.m. yesterday morning. The thug, described as about seventeen, short, stocky, and wearing a leather jacket, was holding the unidentified victim at knife point on the Ames Street sidewalk. Before he could take anything, a group of two men and three girls crossed the street from Ware Dormitory. Upon seeing them, the victim shouted "For God's sake, lend a hand!" The hoodlum saw them, pocketed his knife, and very nonchalantly strolled away down Ames Street.

The thief had practically disappeared when anyone thought to call the Security Force. They immediately sent out a dragnet, but no trace of the criminal was found. At 1:45 a.m., the two officers in the prowler car returned to the Police Headquarters in Building 20 to talk to reporters from The Tech and WTBS.

Prowlers in Compton Labs

As the reporters, the policemen, and the night watchman left Building 20, they spotted three people prowling around the roof of the Compton Labs. When the night watchman shined his flashlight at them, they shouted incomprehensibly and darted into a side door on the aluminum superstructure on the roof of the building.

Immediately a guard was set up in the building. Every hall and floor was explored, but no trace of the prowlers was found. However, the elevators in the Dorrance Building began to go wild, riding up and down continuously, traveling at high speeds from the basement to the eighth floor, and stopping or reversing directions unpredictably. The elevators were halted repeatedly by the policemen, but there was never anyone discovered in the cars operating them. Three investigators dashed up the stairs to the ninth floor, where the elevator shack is located; but this was empty too.

The search was ended at two a.m. Neither the prowlers nor the holdup man have yet been found.

Coeds Foiled Again

In Attempt to Obtain Seat With Inscomm

The coeds have failed again in their search for political recognition. At last Thursday's Inscomm meeting, a motion by John Irwin '58 was defeated. The motion would have reinstated the Association of Women Students to Inscomm.

Bob Jordan '58 stated the Committee's point of view when he said that all minorities could not be represented. He modified this harsh position, however, by saying, "The women students stand out because of their unique physical attributes . . . we recognize their contributions . . . The coeds still can be represented; after all, they can run for UAP."

Linda Greiner '60, the newly elected president of the AWS, made this statement: "Of course, we are disappointed. However, we intend to continue our attempt to regain a voice on student government through a seat on Institute Committee."

Professor Mueller pointed out that learning should be fun which, he said, it definitely is not here. He deplored the emphasis on quizzes, remarking that a course must be taken as a whole and that giving quizzes at intervals is analogous to stopping a movie at fifteen minute intervals and asking the audience what the movie is about at each stop. He suggested that quizzes be given merely as guides to the instructor, but not to grade the students. He said that freshmen should have quizzes as part of an elimination process and that upperclassmen should have finals only.

Professor Mueller cited two main deficiencies in the educational system here. These were the overly large amount of subject matter thrust at the students in too short a time and the generally poor caliber of instruction due to overly large classes and poor instructors. He pointed out that when he was in school in Switzerland he did not cover the subject matter given to Tech students of eighteen or nineteen years of age until he was twenty-two years old, remarking, ironically, that it is surprising that students from the supposedly poorer high school system of the U.S. were given more material faster than was his generation who came from the more rigorous European high schools.

Professor Mueller blamed the overly large classes on the overemphasis on research. If instructors spent less time on research and more time in class and preparing for classes, he said, classes would be smaller, better, with a closer association between students and instructors. He said that in many classes the instructors do not even know the names of the students. A closer association between instructors and students along with fewer quizzes, he predicted, would lead to a better and fairer grading system. He said that research, not education, is the primary aim and that when the school hires an instructor it looks for a good prospective research man and not for an educator. He said that a good instructor along with presenting the material should inspire the students to want to learn. He said that he himself was inspired to become a physicist by his teachers.

The primary educational emphasis at MIT is on the Graduate School which is much smaller than the undergraduate school, Professor Mueller said. "The undergraduate school is an appendix to the graduate school." He

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Professor Hans Mueller and friend

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editorial

Miss Sussman's and Mr. Levine's probings into the collective personality of the class of 1961 should provide the Institute with fresh material for soul-searching. Just how their data will be used and to what purpose is still vague. In fact, "The Entering Freshman at MIT: The Class of '61", as the report is entitled, presents conclusions which are somewhat suspect for the simple reason that they corroborate too well one's own superficial observations of the "typical" entering freshman.

Why was the study undertaken? Ostensibly, it will enable MIT policy-makers better to understand what kinds of persons elect to come to the Institute, what factors influence their first important decisions, and what they hope to get out of their educational experience here. The report's conclusions, subject as they are to the inherent dangers of sociological generalization, are seen by the authors as a point of departure for better integrating future freshmen into the MIT situation.

This is surely what everybody wants: stepped-up planning for the "typical Techman". After all, isn't it much easier to base an educational and residential program on statistical averages than on individual units? Cleave and label the freshmen into groups and sub-groups according to personality and ability, for smoother administrative manipulation.

Of course this is nonsensical overstatement, but the temptation is there. The report is useful insofar as it provides concrete data; but the problem of how best to serve the educational interest of each and every freshman is not thereby reduced in complexity.

Have Sussman and Levine done more than scratch the surface? The report gives a rough idea of how a given freshman might be influenced in his choice of, say, mechanical engineering, but does it uncover his own subjective motivation in choosing such a course. What are the life goals which may lie behind his immediate choice of an engineering career? Why does he value the education he expects MIT will give him? In short, what good is mechanical engineering for him? Answers to these questions might be worth more than all the statistics presented so far.

—SWW

review

Three original one-act plays were presented by Drama-Shop Saturday evening in the Little Theatre. They were: "The Best Thing To Do" by David Fuchs, '55, "A Wife Should Always Sleep in Her Own Bed" by Jean Pierre Frankenhuys, '61, and "May I Present Miss Inge" by Regis W. Schultis, Jr., '57. Directors were Michael Meeker, '58, Mr. Frankenguis and Thomas Sherman, '61, and Donald Silverman, '60 respectively. John Tomlinson again did set and light design for all performances.

"The Best Thing To Do" concerns a woman (Joanne Miller), who has just murdered her husband and calls in her lawyer (Michael Meeker), ostensibly to help cover up the murder. The dead husband, on the floor during the performance was well characterized by Stew Mott with his great quantity of hair and beard. The lawyer works out an alibi for the murder only to discover, to his horror, that the wife has called the police, who find him standing over the corpse with the murder weapon in his hand. This ending is the crux of the play, as all previous dialogue seems rather inconsequential. Michael Meeker deserves compliment for a realistic portrayal of the sophisticated Madison Avenue lawyer. Joanne Miller's part as the murderer lacked a certain amount of vivid characterization.

In "A Wife Should Always Sleep in Her Own Bed" Alfred Baker (Gerald Saul, '58), a middleaged businessman, comes to the apartment of John Kirkland (Michael Padlipsky, '60), young playwright, in search of his wife, Michaela (Virginia Harding), who left home the night before. Alfred hopes to prove that there has been illicit activity in John's bedroom so that he will have solid grounds for divorce. Complications arise about who has been sleeping in whose bed during both the previous night and the whole of Alfred's marriage. Toward the end, however, there is a divorce agreement. The supporting cast included John Posnakoff, '58 as Alfred's Lawyer, Solveig Troxel as John's sister, Helen, and Ron Stampley, very humorously playing a nervous, spastic, young man who gains permission to marry Helen in a subplot. At the curtain a strange woman (Linda Greiner '60) comes on stage pleading John to house her for the night thus starting the sequence again. This is a rather stock ending. The play is supposedly a French farce and is set in Paris, but seems to be French in neither plot nor characterization, the author having more French blood than the play itself. Credit is due Michael Padlipsky for his suavity and to Gerald Saul for his comical overacting in many places.

The third comedy of the evening, "May I Present Miss Inge?", has a Park Avenue playboy, Regi (Taylor Murray '59), beset with the problem of introducing his very glamorous fiancee, Vivian (Elaine Brooks), to his wealthy, puritanical mother (Jean Tolentine) in the presence of his rather impudent friend, Claude (Marinos Costeletos '58). Regis becomes flustered over the remarks of Claude and forgets to introduce Vivian to his mother until the end. But all is well because Vivian has gained the favor of the elderly widow. This ending, although surprising, does lack much of the spark of that in the first play. The lines in the body of the play are cleverly written however. Jean Tolentine's performance was very realistic despite her out-of-period costume and brought many laughs. Marinos Costeletos deserves credit for mastering the despicable attitude of Claude.

—P. E. B., Jr.

Last Saturday night, the big brash band of Herb Pomeroy blew into Kresge with a "Living History of Jazz". This "Living History" consisted of a commentary on the evolution of jazz given by John McLellan, a noted jazzophile, and musical illustrations of the different forms by the Pomeroy aggregation. The band also played four selections in "their own" style. The event was sponsored by the MIT Pershing Rifles.

Almost any "Musical History of Such-and-Such" always seems to leave us with the vague feeling that perhaps the time spent rehearsing a selection *stilo* somebody-or-other could have been more profitably put to use. Of course, we are speaking about popular music and jazz, where original recordings are available. But, be that as it may, the performance was, on the whole, pretty well done. Mr. McLellan's narration was a little more than the usual first-came-Dixieland-and-then-came-Swing "history" that is often heard. However, it was at times, a little too pedantic. On the other hand, Mr. McLellan's sense of humor was often shown ("...the rhythm was brought over on slave ships by the West African Negroes. They might be called the 'Early West Coast School . . .'"). The Pomeroy band played always with enthusiasm. As an example, the audience was treated to the scene of half-a-dozen bandsmen playing while marching around the auditorium, demonstrating the early street parade and funeral jazz bands of New Orleans. A couple of the more interesting parts were most of all, the way a musical phrase might change from Armstrong thru Eldredge to Gillespie demonstrated by Lennie Johnson on solo trumpet, and secondly, the changing of "the beat" from Dixieland to Swing to Bop, demonstrated by Jimmy Zitano, on solo drums. Ray Santisi, piano, also deserves special commendation for his part.

Among those whose styles were represented were Louis Armstrong, Bix Beiderbecke, Duke Ellington, Jimmy Lunceford, Benny Goodman, Count Basie, Charlie Parker, Dizzy Gillespie, Miles Davis, Woody Herman, and Gerry Mulligan.

The Pomeroy band playing as the Pomeroy band is a loud and brassy, vigorous and spirited organization. What it may lack in finesse is more than made up for in pure elan. It has several capable sidemen among whom Lennie Johnson and Ray Santisi bear mentioning. This is a band to watch in the future. They may be seen in Boston at "The Jazz Workshop" and "The Stable". John McLellan may be heard over WHDH in a program of recorded jazz he conducts called "Top Shelf".

The band consisted of Mr. Pomeroy, a trumpet man, Bill Leagan, Joe Ciavardone, and Gene DiStasio, trombones; Joe Gordon, Nick Capezuto, Lennie Johnson, and Everett Longstreth, trumpets; Dean Haskins, Bobby Freedman, Dave Chapman, and Varty Haroutunian, saxes; Ray Santisi, piano, and Jimmy Zitano, drums.

The auditorium was not quite full of the non-foot-stamping MIT crowd. The Herb Pomeroy band is one of which we would like to see more.

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"Barefoot Boy with Cheek.")

THE STUDENT COUNCIL AND HOW IT GREW

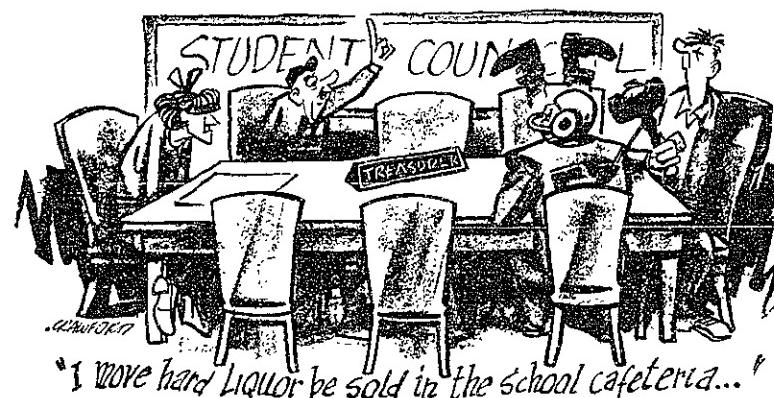
Today let us investigate a phenomenon of American college life laughingly called the student council.

What actually goes on at student council meetings? To answer this burning question, let us reproduce here the minutes of a typical meeting of a typical student council.

Meeting scheduled for 8:30 p.m. at Students Union. Called to order at 10:03 p.m. by Hunrath Sigafos, presiding. Motion to adjourn made by Louis Bicuspid, freshman representative. Motion ruled out of order by Hunrath Sigafos, presiding. Hunrath Sigafos called "old poop" by Louis Bicuspid, freshman representative. Seconded by Delores Wheatgerm, sophomore representative. Tabled by Hunrath Sigafos, presiding.

Minutes of last meeting read by Zelda Pope-Toledo, secretary. Motion to accept minutes made by Hunrath Sigafos, presiding. Motion defeated.

Treasurer's report not read because Rex Mercedi, treasurer, not present at meeting. Rex Mercedi, treasurer, impeached and executed in absentia.



Motion made by Louis Bicuspid, freshman representative, to allow sale of hard liquor in school cafeteria. Seconded by Delores Wheatgerm, sophomore representative. Motion tabled by Hunrath Sigafos, old poop.

Motion made by Booth Fishery, fraternity representative, to permit parking in library. Motion referred to committee.

Motion made by Dun Rovin, athletics representative, to conduct French conversation classes in English. Motion referred to committee.

Motion made by Esme Plankton, sorority representative, to allow hypnosis during Rush Week. Motion referred to committee.

Motion made by Pierre Clemenceau, foreign exchange student, to conduct Spanish conversation classes in French. Motion referred to committee.

Observation made by Martha Involute, senior representative, that in her four years on student council every motion referred to committee was never heard of again. Miss Involute was tabled.

Motion made by Louis Bicuspid, freshman representative, to allow sale of hard liquor in Sociology I and II. Seconded by Delores Wheatgerm, sophomore representative. Motion tabled by Hunrath Sigafos, presiding crossly.

Refreshments served—coffee, cake, Marlboro Cigarettes. The following resolution adopted by acclamation:

"WHEREAS Marlboro is milder, tastier, and more pleasing to smokers of all ages and conditions; and WHEREAS Marlboro is contained in the crushproof flip-top box which is the slickest, quickest, neatest container yet devised for cigarettes; and WHEREAS Marlboro, that most commendable of smokes in the most admirable of wrappings, is graced with the exclusive Selectrate filter; therefore BE IT RESOLVED that it is the sense of this meeting that Marlboro is far and away the best cigarette on this or any other campus."

Meeting adjourned with many a laugh and cheer at 11:74 p.m.

* * *

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Internat. Week: Our Times and Problems Thrown on a Worldwide Screen

IPC Plans Program To Arouse Interest

The International Week program being presented during this week is the result of the efforts and ideas of International Program Committee, a subsidiary of Institute Committee. The general aims of this organization, as described by its chairman, Jorge Alfert '58, are: "To help foreign students become oriented to their surroundings at MIT—to serve as liaison between the foreign

student and Institute activities," and, "To promote international awareness in the MIT community by presenting lectures, films and panel discussions such as comprise the International Week program." This, Alfert pointed out, is a bilateral program, being of benefit both to the foreign student and his American classmates.

This year's International Week program is expected to further the aims of IPC by drawing the students' interest to international affairs. This program is the second of its kind to be presented here, the first appearing in 1956.

Varied Backgrounds of Levy, Struik, and Six Others Will Combine to Add Depth to International Picture

This week, March 16-22, is International Week at the Institute. The International Program Committee has arranged a program of seminars and panel discussions which will be motivated by nine men, each with an international background to some degree. The first three of the nine, who opened the week's proceedings yesterday, were conducting seminars in the dormitories, are professors Ernst Levy, Dirk Struik, and Norman Padelford.

Professor Levy was born in Basle, Switzerland. He began his musical education at the Conservatory there, then studied musicology, philosophy and history of art at the University of Basle. In 1916 Levy was appointed head of the piano department of Basle Conservatory. Moving to Paris in 1920, he founded and conducted the Choré Philharmonique de Paris which soon became one of the outstanding choral organizations in Europe.

Levy came to America as a pianist in the Swiss Pavilion of the New York World's Fair in 1939. Since then

he has appeared as soloist with the Boston Symphony and has been lecturer in the Division of the Humanities at the University of Chicago. He holds a professorship in musicology from that institution, and professorship here as well.

Mathematics professor Dirk Jan Struik is a native of Rotterdam, Netherlands. Leiden University awarded him his doctorate in 1922. He came to the Institute in 1926 as a lecturer in mathematics, and was appointed professor in 1940. Between 1934 and 1935 he lectured in Mexico, the Netherlands and Russia. He is a member of the American Academy of Science and Arts and is author of several volumes and many papers in his field.

Norman J. Padelford, Professor of International Relations, came here in 1944 to inaugurate the senior course in International Relations. During the war he was Consultant at the Department of State in Washington, and was intimately connected with the work of planning U.S. policy

on the establishment of the United Nations organization. At the San Francisco U.N. conference he was Executive Officer of the Conference in charge of drafting the statute of the World Court. Professor Padelford received his Ph.D. degree from Harvard University. Since coming to the Institute he has inaugurated publication of a semi-annual volume named *Current Readings in International Relations*, which is published by The Technology Press.

The main address of International Week entitled "The Importance of the Arab Nations in the Arab States Delegations" will be given tomorrow at 8 p.m. in room 26-100 by Fayed A. Sayegh, Counselor to Arab States Delegations, New York. Dr. Sayegh was born in Kharab, Syria on January 11, 1922. He holds B.A. and M.A. degrees from American University of Beirut, Lebanon. He received his Ph.D. from Georgetown University in Washington, D.C. in 1949. From 1944 to 1946 he was editor-in-chief of *Ath-thaqaf*, a bi-monthly Arabic magazine and edited the Beirut *An-Nahda*, Arabic daily newspaper. Concurrently, he taught philosophy at American Institute of Beirut and wrote several books, including *Freedom of Thought vs. National Socialism*.

The panel discussion, entitled "Role of the Student in Europe" which will be held this Thursday at room 4-270 will be conducted by the remaining five men of the nine. They are:

Jesus Millaruelo, Spanish Consul, Boston. Senor Millaruelo, a native of Castilla, Spain, studied law at the universities of Zaragoza and Madrid. He received scholarships to study Italy and at the Hague, specializing in International Law. He has held his present position for three years.

Robert Wiener, Press and Information attaché at the French Consulate General, Boston. Mr. Wiener lived most of his life in France as a journalist and writer, serving in the French Army in the First World War. From 1941 to 1943 he was rector of propaganda broadcasts in France through short wave station WAUL, Boston, and has held his present position since 1944.

Giovanni Vitelli, Consul General of Italy in Boston, was born at Genoa, Italy, and in 1938 he obtained his law degree from the University of Rome. After many diplomatic assignments, he entered the Italian Embassy in Belgrade, Yugoslavia, during the period of crisis in the Trieste question, which ended with the settlement of October 5, 1954. He arrived in Boston in June, 1955.

Gerhard Lang, German Consul, Boston, was born near Frankfurt, West Germany, and, upon completion of his education, was drafted into the German Army. After the war he was held prisoner for two years by the U.S. Army in Italy. He subsequently studied and graduated from Frankfurt University. He has held his present position since October, 1956.

Bruce Larkin, the panel's moderator, studied International Relations at the University of Chicago, where he received his B.S. in 1954. After two years of graduate study, he was elected International Vice President of the United Nations National Student Association, winning his election in 1957.

Robert E. Matteson, Director of White House Disarmament, who was originally scheduled to deliver an address as part of International Week program, forced to cancel his appointment Sunday, March 16, due to a change in his governmental status, as IPC Chairman Jorge Alfert

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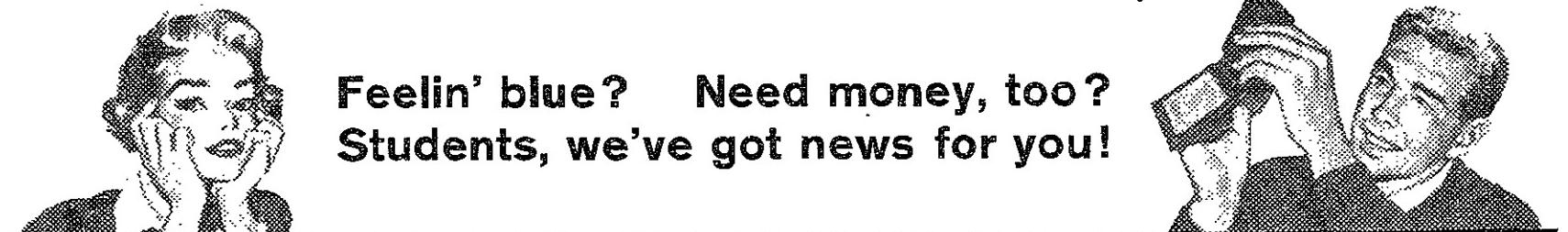
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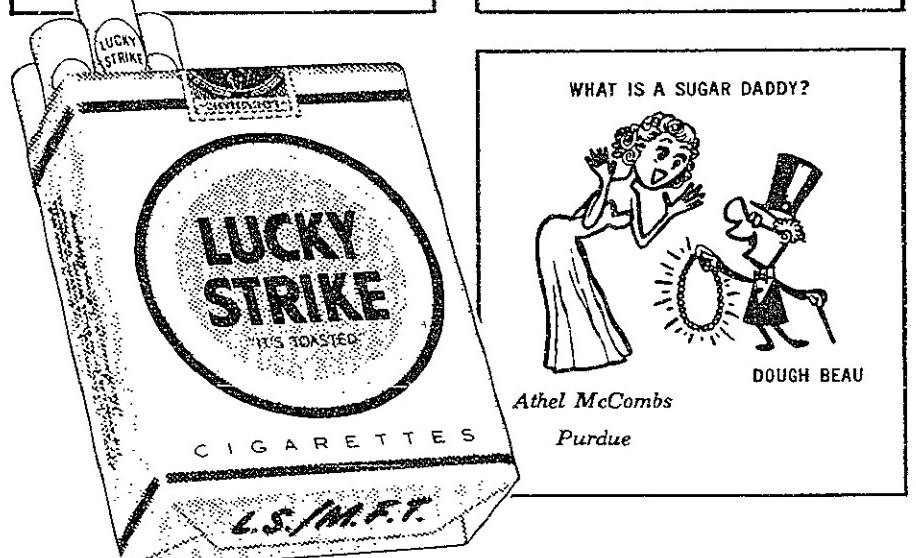
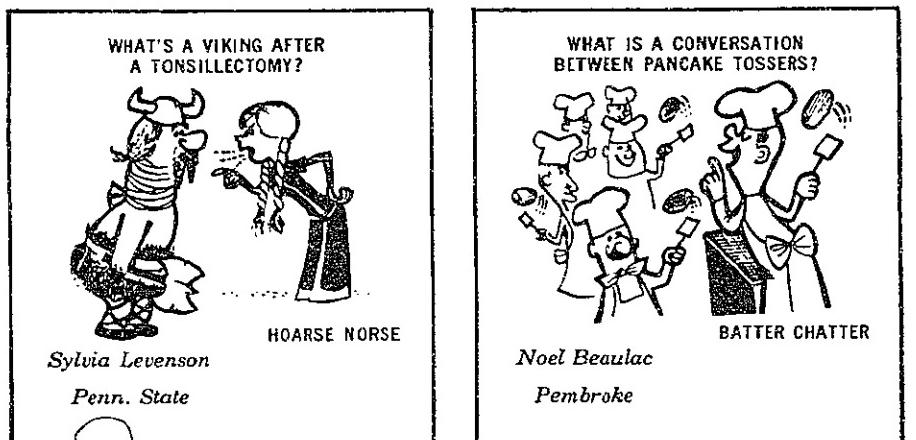
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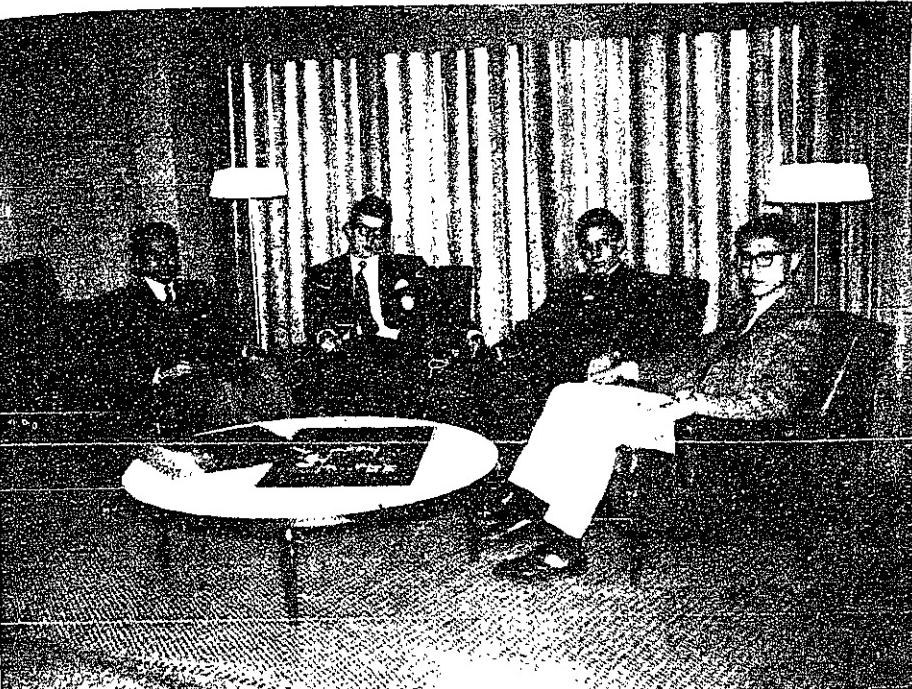
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TUESDAY, MARCH 18, 1958

The Tech

Cosmopolitan Campus is Fostered By Students from Other Countries



Mohamed H. Hamza '58, Allen Novak '59, Manuel A. Moreno '60 and Richard K. Chang '61 appear at ease during their interview with *The Tech*.

"The reputation of MIT is no doubt a contributing factor to its success," said Richard K. Chang '61, one of four typical foreign students who explained, on the eve of International Week, why they came to the Institute.

Chang, who was born in China, migrated to Japan in 1949 and then moved to Brazil after five years. In China he had heard about MIT and was told that the education at MIT laid a very firm foundation in science and technology which could be adapted to suit the environments of different countries. On coming here he was not disappointed but feels that he is getting the very best education that he possibly can.

Entirely different and occasionally the exactly opposite observations were made by Allen Novak '59 of Lima, Peru. Unlike Chang, Novak had planned to come to MIT very early and had been preparing for it by getting more or less the American kind of education at a high school in Canada. Allen knew practically everything of MIT from his father's friends and from his brother-in-law who is a graduate of MIT. Allen thinks that the education at MIT is entirely too specialized and can hardly be applied at countries that have different economic and political backgrounds.

After getting a degree in Mechanical Engineering Novak expects to go back to Lima and work, probably, for an American firm. He prefers to work in Peru, feeling that there is entirely too much competition in this country whereas it is much easier in Peru.

A third point of view comes from Mohamed H. Hamza '58 of Egypt, who, after graduating from a high school in Cairo, came to this country and relates his first impression as "I saw so many cars but so few people on the street; at home it is exactly the opposite."

Hamza has been an active member of the campus community. He has organized an Arab Club and is secretary of the Hobby Shop.

He finds education at MIT dominated by creative thinking, rather than memory work which is so prevalent in schools in Egypt. He is very impressed by the large faculty which enables a student to learn in closer cooperation with the teacher as compared to the sort of mass education system used back home. He now plans to go to Zurich, Switzerland for his graduate work.

Of the newly formed United Arab Republic Hamza said, "This is partial fulfillment of a dream." He said that many of his American friends asked about Nasser and called him a dictator. He is happy to announce that he has changed the opinion of many on this point by enlightening them more on the subject.

Coming from a family that likes to travel, Manuel A. Moreno '60 has been to fifteen countries since his birth. Home base for him is Paris. "There are two Parises," he said, "one for the tourist and the other a normal city like any other city for the natives." He did not say which category he fits.

Before coming to MIT he studied at a Junior college in the Panama Canal Zone. Unlike his Egyptian fellow student, Moreno does not find America at all different from his home and MIT is what he expected it to be—"hard work".

MUELLER

(Continued from page 1) pointed to a survey by Edwin H. Land, Institute Professor, who found when interviewing MIT students for employment that although the majority of the graduate students were satisfied and happy most of the undergraduates were not. Professor Mueller said that of the undergraduates 10% were so bright that nothing would daunt them, 15% did not care about their studies, and the remaining 75% were dissatisfied with them.

Professor Mueller reminisced about his college days in Switzerland and put much emphasis upon the good student-faculty relationships. He recounted several amusing incidents of that period, including an association with a Turkish vice-consul whom he termed "stinking rich", and a certain episode in a wine cellar. When he repeatedly mentioned the prevalent beer drinking, he was rewarded with a brew-full MIT mug.

Professor Mueller disclosed that he is writing a book about optics which will be considerably different

from existing books on the subject. It will contain "laws of optics" analogous to Maxwell's equations in electromagnetic theory and to Newton's Laws in mechanics, as opposed to present day books which postulate theories. Professor Mueller feels modern physics is now in a period of transition and that the simplicity and order in classical physics will be regained.

INSCOMM GAVEL

(Continued from page 1) attitudes prevalent in MIT, concerning which he says: "The student leader fears that if he becomes too immersed in the problems facing the administration, his cohorts will believe that he has defected and is in danger of being brain washed.

SEX

Sigma Epsilon Chi will meet this Saturday at the Deke house at 4:30 p.m. to do research on the pleasure to be derived from alcohol.

CONCERT BAND

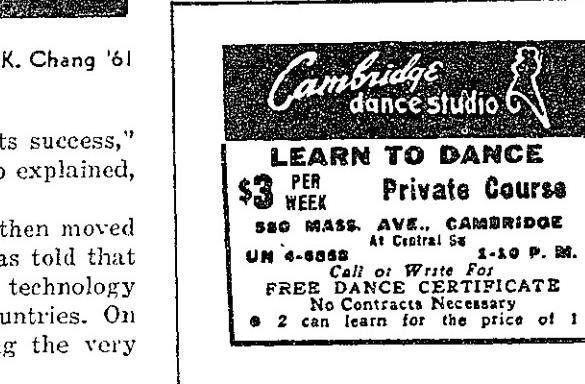
The MIT Concert Band will give its annual Formal Spring Concert this Saturday evening in Kresge Auditorium. The performance is scheduled for 8:30 p.m.

Everyone interested in trying out for the varsity or freshman baseball teams should report to the Rockwell Cage any day this week at 4 p.m.

Sussman, Levine to Discuss their Report On Fresh Motivation

The MIT Orthodox Christian Fellowship will present a panel discussion on the subject of the Sussman Report, "The Entering Freshman", during the third week of April. The time and place have been tentatively set for 7:30 p.m. on Tuesday, April 15 in the Library Lounge, although the day may be changed to Wednesday or Thursday. The panel will feature the authors of the report, Dr. Leila Sussman and Mr. Gene Norman Levine, and will include members of the faculty, administration, and medical department. Both Dean William Holden and Prof. Ernst Levy have agreed to be panel members, and Prof. Norman Holland has tentatively agreed. All the panelists will be persons closely associated with student life and problems at the Institute, and will be highly competent to speak on the subject of student motivation.

The discussion will center about the report submitted by Dr. Sussman and Mr. Levine but will bring in many other aspects of the problem of motivation as seen by the speakers from the perspectives of their own varied backgrounds. The panel will be the first of a motivation series to be presented this spring and next fall by the MIT Orthodox Christian Fellowship for the benefit of the whole Institute Community.



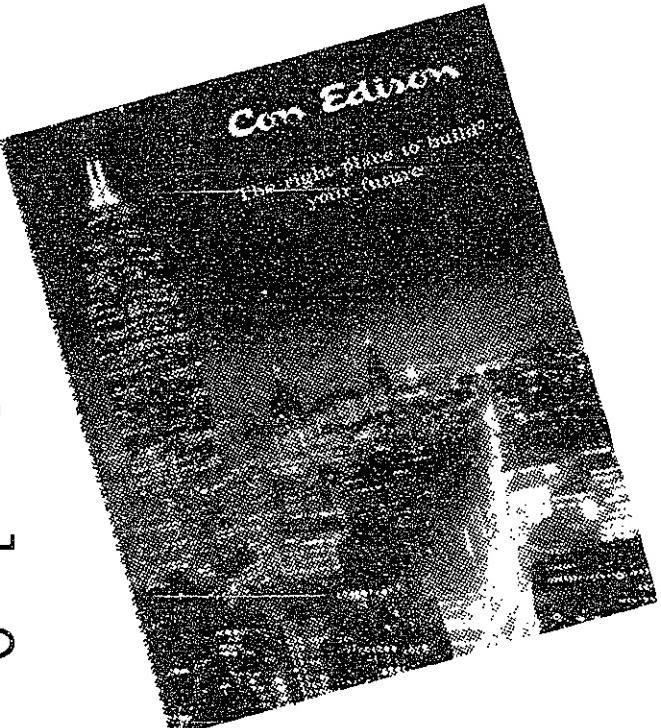
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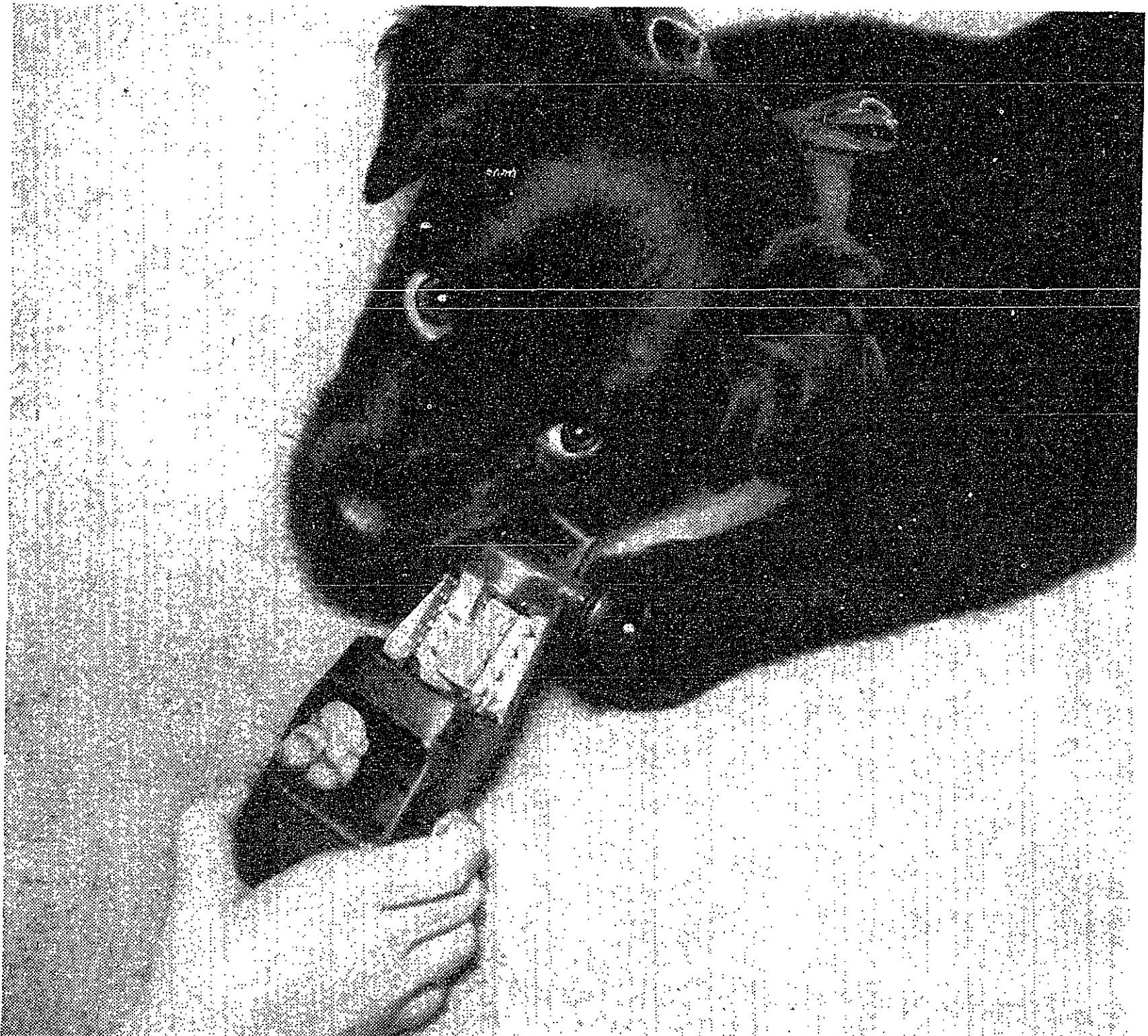
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**Beaver Fencers End
7-3 Winning Season
Bad Luck in Eastern**

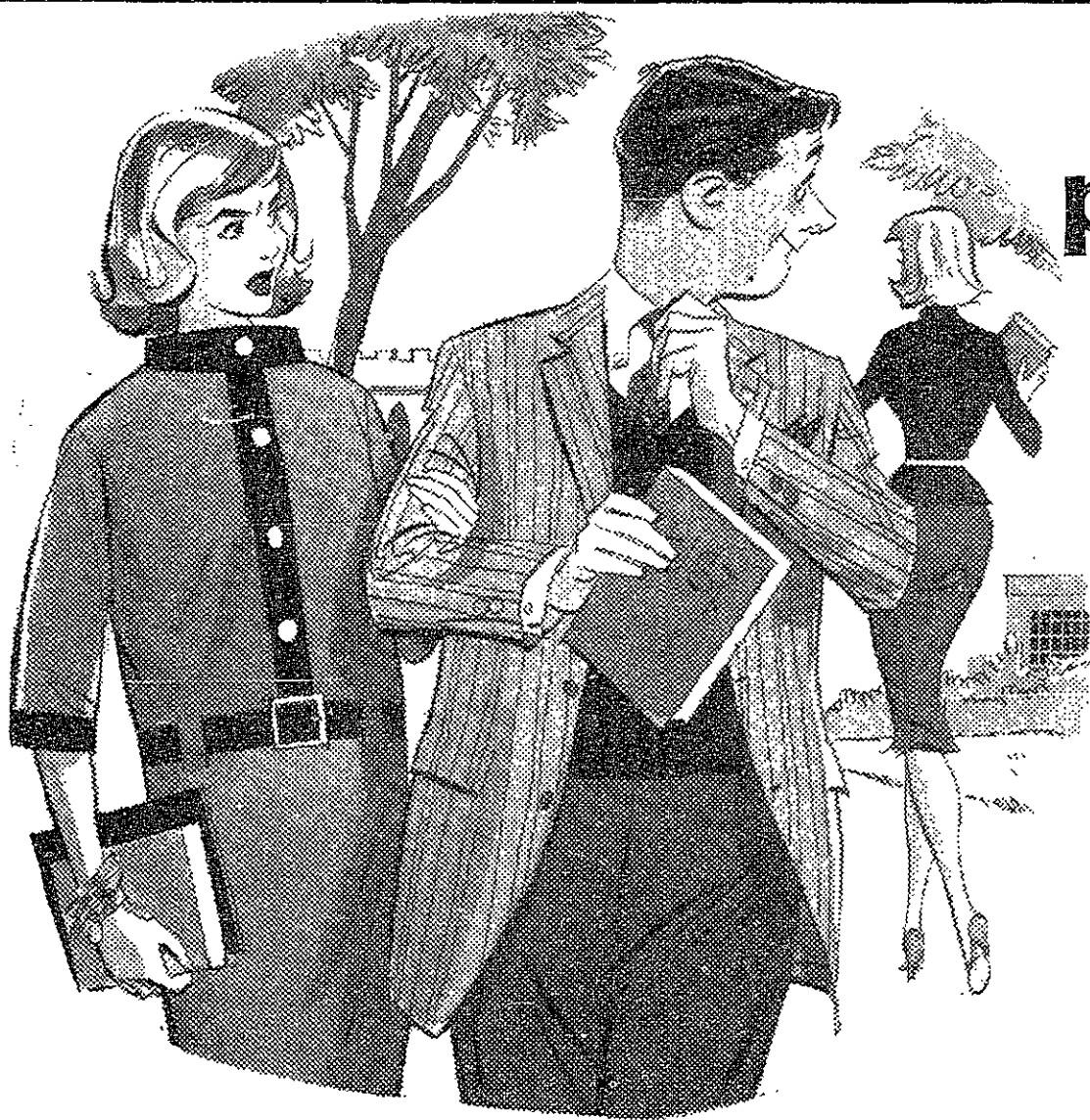
MIT Varsity Fencers took tenth place out of twelve in the Eastern Championships at New York last weekend as lack of proper equipment and extremely poor officiating prevented the team from achieving performance compatible with its 7-3 season record and the success at New England.

Columbia won the meet with victories to 66 for NYU. Third was Navy with 62 followed by CCNY with 59, Cornell 58, Princeton 55, Yale 51, Harvard 48, MIT 34, Rutgers 21 and Brooklyn 15.

However, there were many outstanding individual performances. In epee, Ron Wempen '59 was 4-7 for the day in third pool although he had to fence with a French grip electrical epee after the one he normally uses was found in bad condition. His defective weapon did not record five touches due to faulty wiring—a fault which may have caused three of Wempen's losses. Joe Pedlosky '59 was 5-5 in second pool and Chuck Hasp '60, substituting for Les Dirks '59, won two in first pool, including a narrow 5-4 upset over the CCNY fencer who was regarded as a "shoo-in". Perhaps the team would have had better results if Dirks would have fenced in second, Pedlosky in third and Wempen in first pool.

Barrie Shabel '59 won six in first pool and was one victory short of qualifying for finals in second pool as he dropped an incredible match to the Rutgers fencer who did not score another win for the day, while Sherman Karp won seven in third pool losing three by narrow 5-4 scores. Loud protests resulted from these losses as it was clear that the judges came to extremely careless decisions in recording touches which had been clearly missed by "fencing six inches to a mile." Mike Fein '59, as "sacrificial lamb" in first pool also lost many of his encounters by 5-0 scores most of them due to faulty judging. He was substituted by Jerry Yarborough '60 who went in to gain experience and was 1-1 for the day. His only defeat was a 5-1 loss against the Yale man who eventually took the foil title with a 16-1 record for the day and only eleven touches against, which was very remarkable and speaks more for the good shooting of Yarborough.

(Continued on page 8)



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Swimmers Break Records, '58 Leads in Interclass Track

Yale Victor in EISA Swim Meet Kohlman, West Break Records

While unable to capture any medals, Murray Kohlman '58 and Burnell West '60 each set new school records at the Eastern Intercollegiate Swimming Championships at Annapolis, Maryland, last weekend.

Kohlman broke a seven year old MIT record as he finished 10th in the 1500 meter freestyle in a time of 21:16.00. As this event is not swum in New England competition, this was Murray's first opportunity to cover the distance since last year's Eastern championships. The event was won by Drury Gallagher of Fordham in 19:35.2.

West broke his own 200 yard breast stroke record, which he had set while taking second in the New England championships. However his time of 2:34.9 was 1.4 seconds shy of qualifying for the finals. The event was won by Joe Koletzky of Yale in 2:27.1.

Yale University captured seven of fifteen events for the unofficial team title. Two Yale juniors, Roger Anderson and Tim Jecko, each won three events. Jecko's time of 2:06.4 in the 200 yard butterfly was both a new

NCAA and meet record. Roger Anderson also set a new meet record as he won the 220 yard freestyle in 2:05.1.

The New England league was well represented by Ed Nicholson of Brown, who captured the 50 yard freestyle in 22.8, and took second in the 100 yard freestyle. Bob Plourde of Bowdoin did equally well as he won the 100 yard backstroke in 58.6 seconds and placed second in the 200 yard backstroke. Al Chapman of Brown won second place in the 200 yard butterfly and third in the 200 yard individual medley, closely followed by fellow New Englander Bill Jones of Amherst who took 6th and 4th in these events. Steve Pinney of Connecticut grabbed second in the 200 yard individual medley, and Barr Clayson of Brown was third in the 200 yard backstroke.

In the final event, the 400 yard medley relay, Brown set a new New England record as they were clocked in 4:00.5, 3 seconds behind Harvard.

Skiers Capture 5th Place in NEISA

The MIT ski team concluded its season this Saturday by placing fifth out of a field of eight in the American International College Trophy Race held at Okemo Mt. in Ludlow, Vermont. Captain Knut Hauge led the team by finishing seventh out of the forty-five competitors. The winner of the meet was Tufts College, which has had a consistently strong team throughout the season. The other men racing for MIT were Stewart Wilson, Ted Ansbacher, and Damon Cummings. The race was a one mile long giant slalom. An eight inch snow fall of the night before provided excellent conditions for the skiers, while a heavy fog covering the top half of the course created some hazard.

The MIT ski team is a member of the New England Intercollegiate Ski Conference and as such has participated in five meets this year. The conference is made up of teams from Tufts College, Northeastern University, (Continued on page 8)

Seniors, Frosh Lead Interclass Meet; To Be Completed March 18 and 19

snow and all. The seniors swept the first three places in the latter event while the yearlings score of 13½ of a possible 15 points in the high jump to enable to tie for the lead 26 tallies apiece.

Final Events Tomorrow Afternoon

Weather permitting, the final events, including the 600-yard dash, the hurdles events, the 1000-yard run, and the mile relay, are scheduled for today and tomorrow at 5 P.M. at Briggs Field.

VAN DOREN ON DON QUIXOTE

The Lecture Series Committee will present a lecture by Mark Van Doren, noted poet, writer and critic, on Thursday, March 20. Mr. Van Doren will speak on "Don Quixote". The lecture will be held in Room 10-250 at 7:30 P.M., and is admission free.

MIT Weightlifters To End Good Season In Easterns Sunday

After showing their team depth in recent wins over Norwich University, NYU, and CCNY, the MIT weightlifters look forward to this Sunday's Eastern Collegiate championships with considerable optimism. The meet, to be held in the cage at noon, will feature the top teams from New England and the Mid-Atlantic States, but should boil down to a three-way fight among Harvard, NYU and Tech, with the Crimson expected to furnish the Beavers with their strongest opposition.

NY Trip Successful

After losing their opening meet to Harvard in December by the close score of 15-12, the Tech lifters were spared a trip to Norwich by a last-minute forfeit, but then traveled to New York to trounce NYU and CCNY in a triangular meet, scoring 26 points to NYU's 19 and 5 for CCNY.

Large Turnout

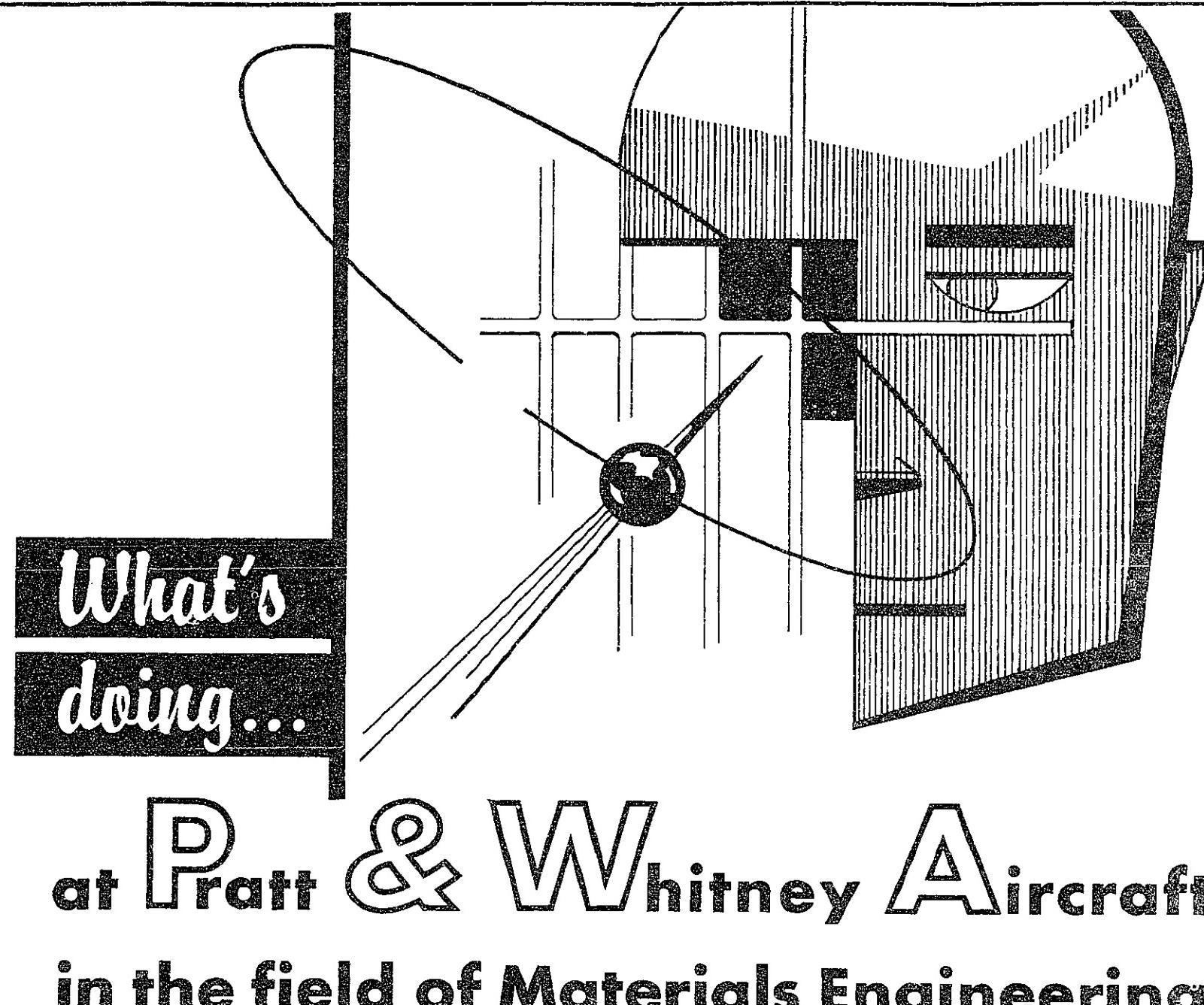
A large factor in these victories was the relatively large MIT team. Interest in weightlifting has reached a point here such that for the New York meet, nine of Tech's best men were sent, while four or five fine lifters stayed in Boston. Tint Swe '58, Jim Middlekauff '59, and Gary Miller '60, won the uncontested bantam, heavyweight, and unlimited classes, respectively, with Ted Lewis '59, and Captain Herb Kavet '58, finishing second in the feather-, and light-heavyweight classes. Kavet just missed beating NYU's Tony Gegelis, when he twice failed to hold 245 lbs. in the clean-and-jerk.

Showing great promise for the future were freshmen Herb Berman and Dave Rundle who, with more practice, should be able to challenge the leaders in the light- and middleweight classes.

Volley Ball Finals To Open This Weekend

The intramural volley ball league wound up regular scheduled season's play in the MIT armory on Sunday night. Of the forty-two teams participating, the top team in each of the eight leagues will enter the final playoffs. The finals, scheduled to begin this Saturday, will be played on a double elimination basis, which means that no team can be eliminated unless they suffer two losses.

Several teams which have shown up strongly are Beta Theta Pi "A", Phi Delta Theta "A" and "B", and Sigma Chi "A".



in the field of Materials Engineering

The development of more advanced, far more powerful aircraft propulsion systems depends to a high degree on the development of new and improved materials and methods of processing them. At Pratt & Whitney Aircraft, the physical, metallurgical, chemical and mechanical properties of many new and exotic materials are studied in minute detail, compared with properties of known materials, then carefully analyzed and evaluated according to their potential usefulness for aircraft propulsion application.

The nuclear physics of reactor materials as well as penetration and effects of radiation on matter are important aspects of the nuclear reactor program. Stress analysis by strain gage and X-ray diffraction is another notable phase of investigation that plays an important part in developing advanced aircraft engine designs.

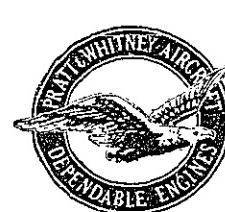
Development and evaluation of improved high-temperature alloys is one of the challenges facing P & W A metallurgists. The materials work in the metallurgical field involves studies of corrosion resistance, high-temperature mechanical and physical properties of metals and alloys, and fabrication techniques. Vacuum melting has opened up new horizons, and from the experimental foundry come many new alloys that are cast into test specimens and experimental parts.

Mechanical-testing work delves into design and supervision of test equipment to evaluate fatigue, wear, and elevated-temperature strength of materials. It also involves determination of the influence of part design on these properties. For example, air jets may be used to vibrate a compressor blade at its natural frequency — amplitude being measured

with a cathetometer. Similar fatigue tests may use electromagnetic excitation.

In the field of chemistry, investigations are made of fuels, high-temperature lubricants, elastomeric compounds, electro-chemical and organic coatings. Inorganic substances must be prepared and their properties determined. Increasing recognition, too, is being given to the importance of investigating the effects of gases on the properties of metals.

While materials engineering assignments, themselves, involve different types of engineering talent, the field is only one of a broadly diversified engineering program at Pratt & Whitney Aircraft. That program—with other far-reaching activities in the fields of mechanical design, combustion, instrumentation and aerodynamics—spells out a gratifying future for many of today's engineering students.



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Harvard Declines

The MIT-Harvard rugby game scheduled for last Saturday was canceled by the Radcliffe boys because they didn't feel that they had had enough practice to take Tech on. The inter-squad contest, billed to replace this game was snowed out.

SKIING

(Continued from page 7)

sity, American International College, Brown University, Keene Teachers College, New England College, Boston University, Princeton and Amherst College along with MIT. All eight teams compete at each of the meets. This year the conference title was won by Tufts. Last year MIT placed second in the league, but having lost some of its best skiers did not do as well this season.

The first meet of the season was the Asa Osborne Trophy Race held at Big Bromley, Vermont in which MIT placed sixth. In the second meet, held at Grace Mt., Massachusetts, one of the team members hurt his ankle and was unable to participate in the downhill race which caused MIT to be disqualified. At the Tufts Challenge Trophy held at Mt. Belknap, N.H., the team was lacking the services of its captain Knut Hauge and was unable to place higher than eighth. The fourth meet was held at Cannon Mt., N.H. Despite the excellent performance of Knut Hauge who placed fifth overall, the team failed to improve its standing.

This year varsity letters will be awarded to captain Knut Hauge, Ted Ansbacher, Damon Cummings, Peter Stadler, and Stewart Wilson. Junior varsity letters will go to Bob Logcher and Robert Pflieger. Next year the team hopes to have a coach and be able to realize a greatly expanded program. With all letter men returning, the team has hopes of a highly successful season next year.

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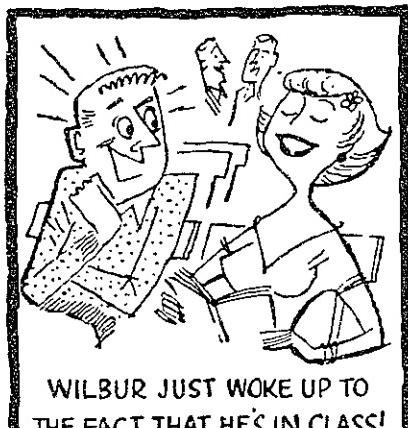
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For application forms write Mr. Nick Mahimiro, Boy's Athletic League, 657 Tenth Ave., New York 36, N.Y. or call Bob Rohs, Graduate House, Room 507B.

FOR SALE—Refrigerator—Crosley Shelvador. See J. Milgram, Burton 344, Ext. 3278.



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15 TABLETS, 35c

**FENCING**

(Continued from page 6)

Larry Campbell '59 in second pool sabre won four while losing two 5-4 decisions. He had an outstanding, clear 5-1 victory over the NYU man who afterwards was champion for the weapon. With more experience next year, Campbell will undoubtedly become a more constant winner. As Joe Verderber '59 was unable to take part in the meet, Karl Koepke '60 and Warren Siemens '60 had to cover first and third pools. Their overall record was four victories and six 5-4 losses which is quite good for their short experience.

The overall season record for the team has been outstanding, paced by the 70% victories in foil bouts. Star of the team has been Shabel with a superb 40-10 record and the New England Championship. Karp, third in the New Englands, had a 32-13 record and Fein was 17-12. Other outstanding records have been Dirks 26-14 and Pedlosky 25-18 in epee and Verderber 19-17 in sabre. Dirks besides was New England Champion for his weapon.

For a team that has a three-nights-a-week coach, even as excellent as he might be, the performance has been quite meritorious considering that many Ivy League and New York City schools enjoy full time coaches and "special athletic courses for credit." With most of the team returning, an even more outstanding record can be expected next year.

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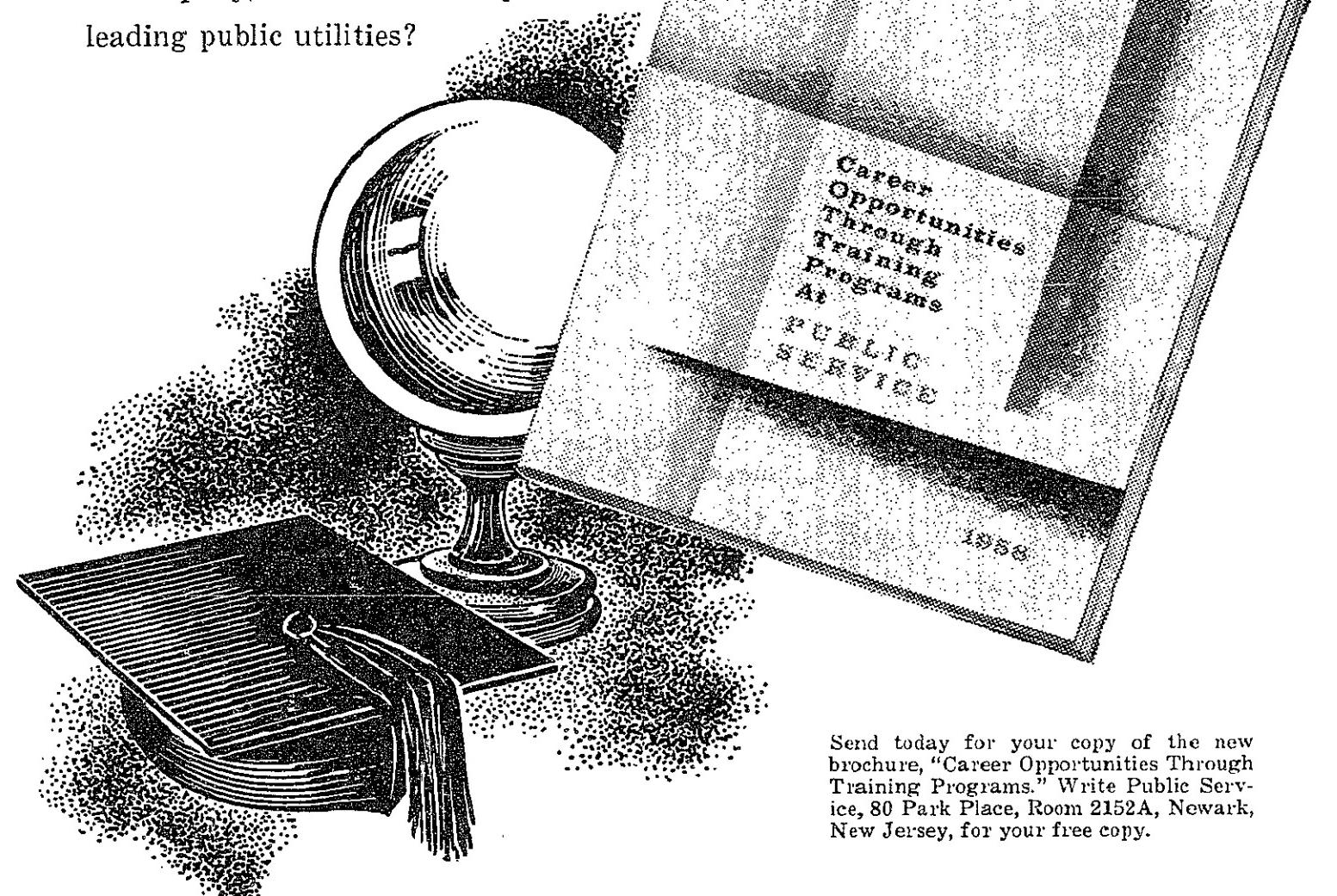
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